



FIG._1B



FIG._1D



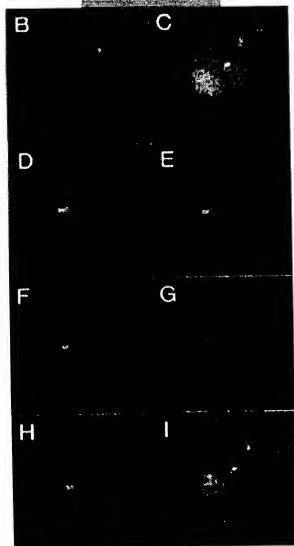
FIG._1A



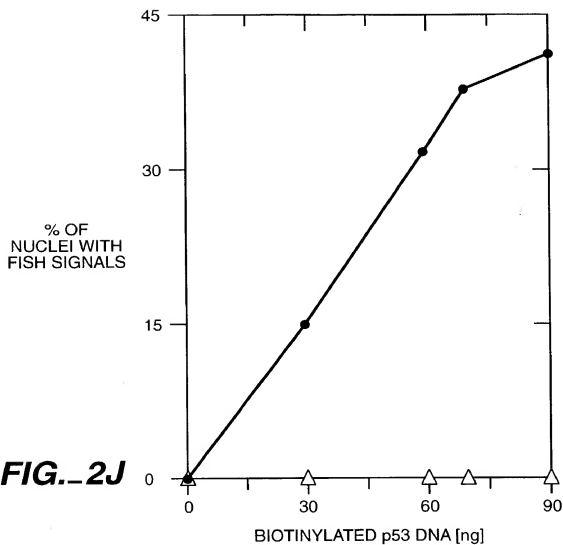
FIG._1C



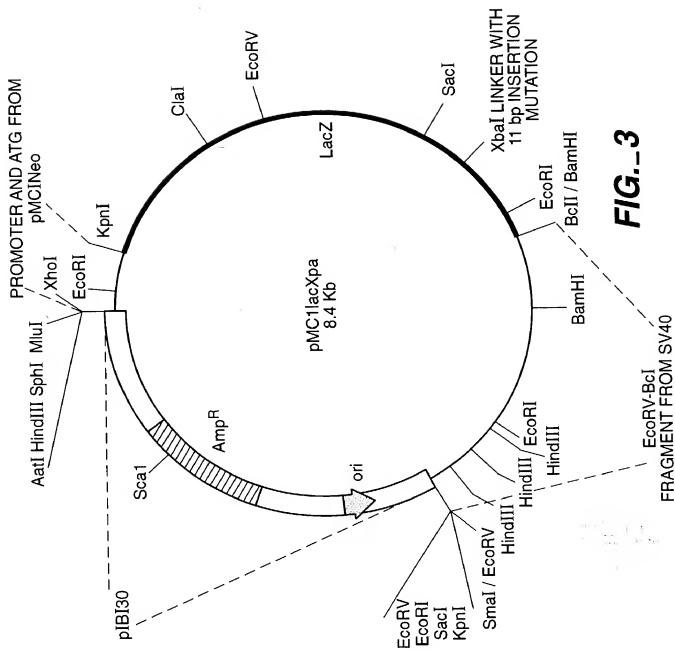
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FIG. 2A**FIG. 2B****FIG. 2C****FIG. 2D****FIG. 2E****FIG. 2F****FIG. 2G****FIG. 2H****FIG. 2I****FIG. 2K****FIG. 2L**

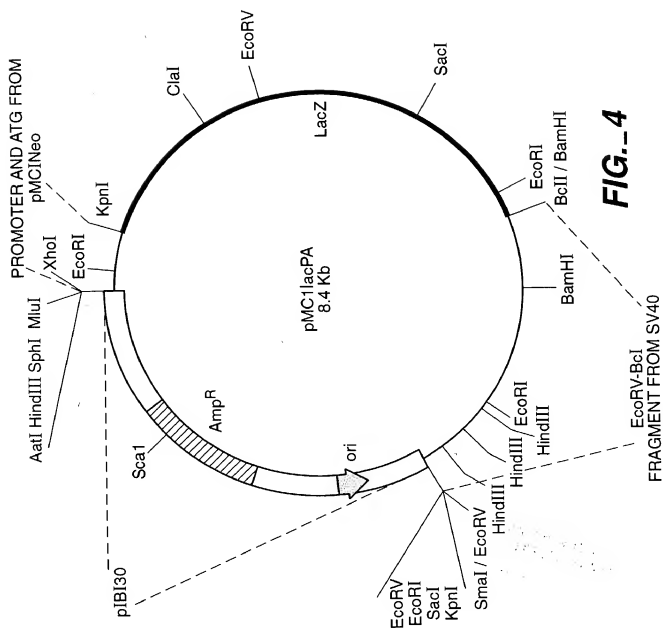
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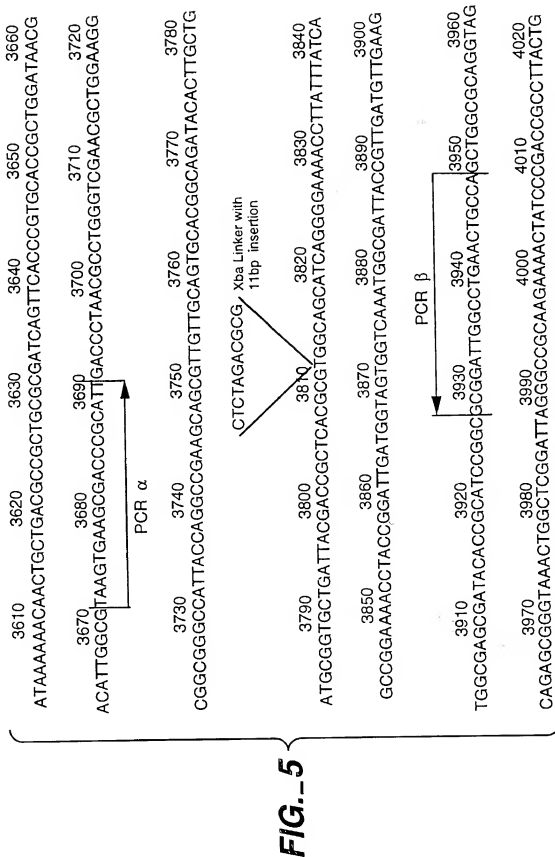
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**FIG._3**

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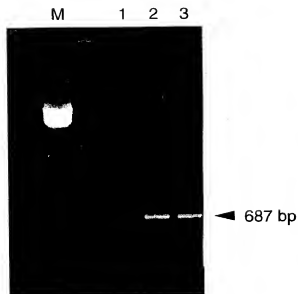
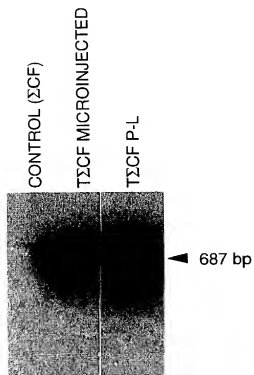
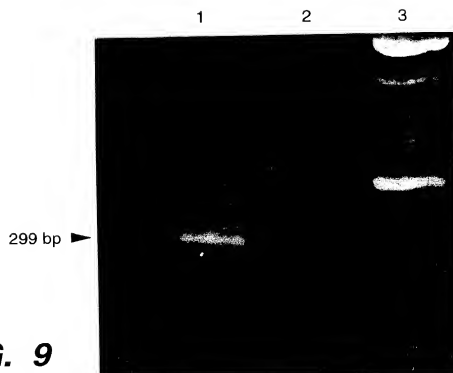


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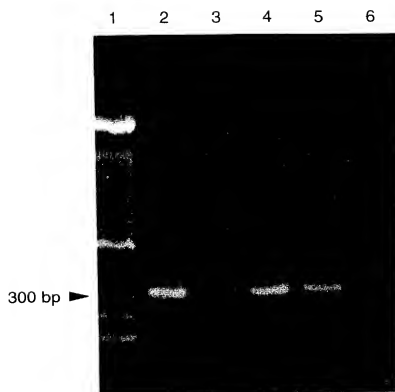
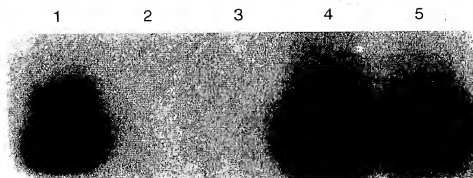
EXPERIMENTAL SAMPLE	INJECTED PLASMID, 276-mer DNA AND RecA PROTEIN	NUMBER OF INJECTED SURVIVING CELLS	NUMBER OF SURVIVING CELLS SCORING BLUE	SURVIVING CELLS SCORING BLUE (%)
1	pSV- β -gal	168	21	12.5
2	pMC1lacpa	98	9	9.2
3	pMC1lacXpa	173	0	0
4	pMC1lacXpa	103	0	0
5	pMC1lacXpa	168	6	3.6

FIG._6

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**FIG. 7A****FIG. 7B****FIG. 9**

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**FIG._8A****FIG._8B**

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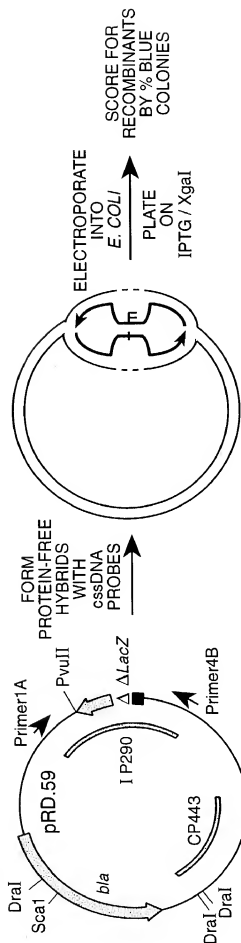


FIG._10

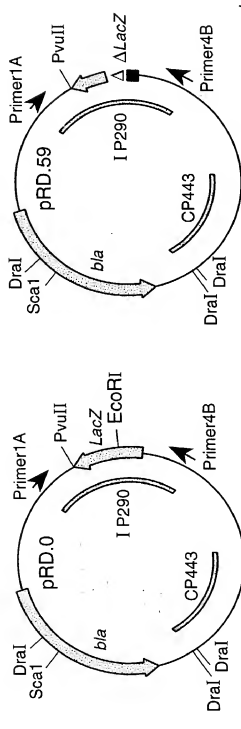
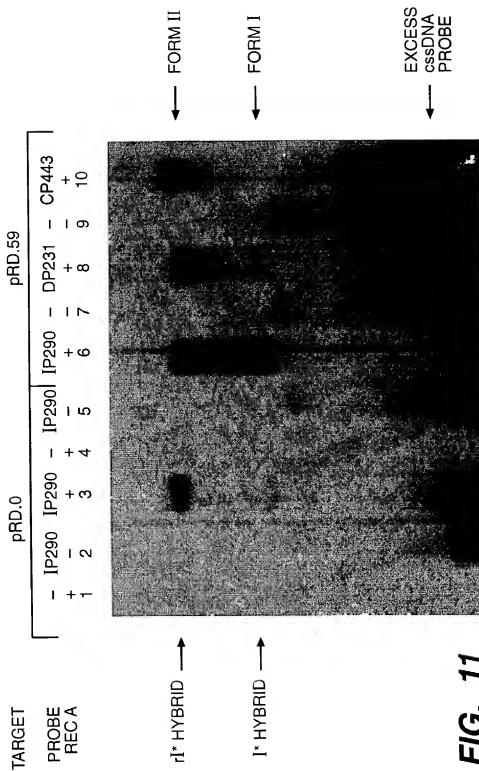


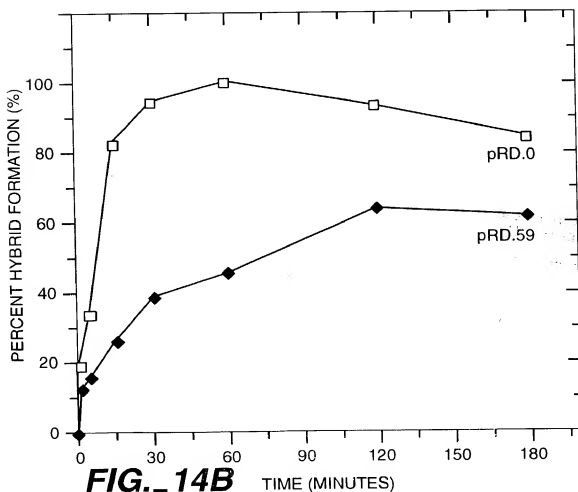
FIG._14A

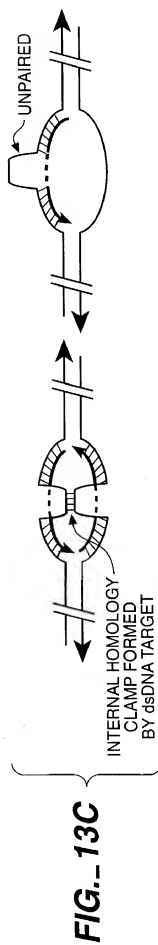
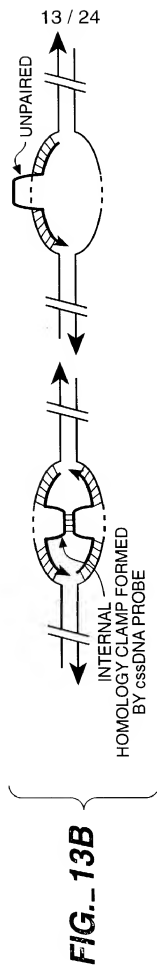
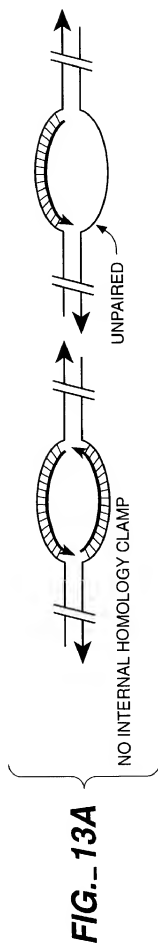
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**FIG. 11**

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TARGET PROBE	RecA COATING	HOST	% RECOMBINANT / TOTAL COLONIES
pRD.59	-	RecA+	0
	+	RecA-	0
pRD.59	IP290	RecA+	0
	IP290	RecA-	0
pRD.59	IP290	RecA+	3
	IP290	RecA-	0
pRD.59	DP290	RecA+	0
	DP290	RecA-	0
pRD.59	DP290	RecA+	0
	DP290	RecA-	0
pRD.59	CP443	RecA+	0
	CP443	RecA-	0
pRD.59	CP443	RecA+	0
	CP443	RecA-	0

FIG. 12**FIG. 14B**



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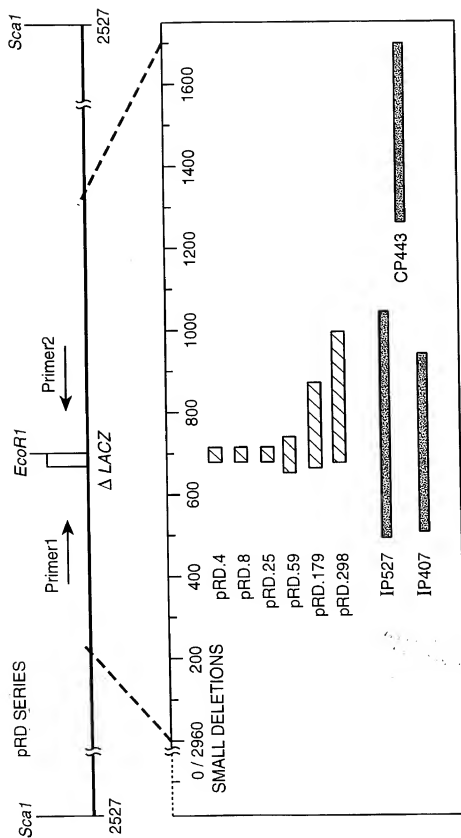
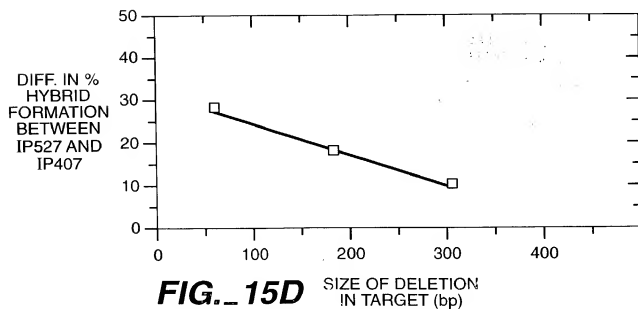
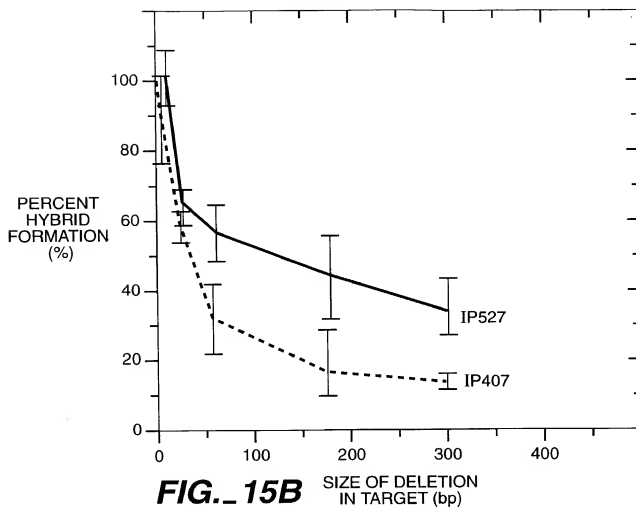
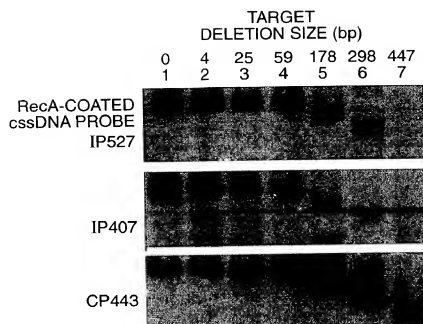
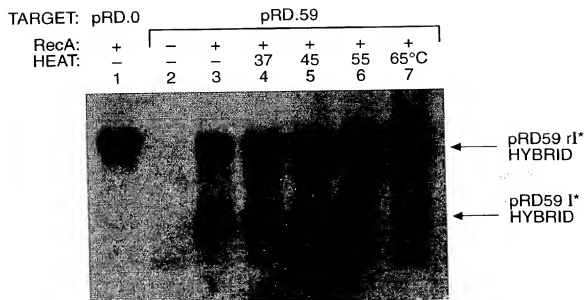


FIG. 15A

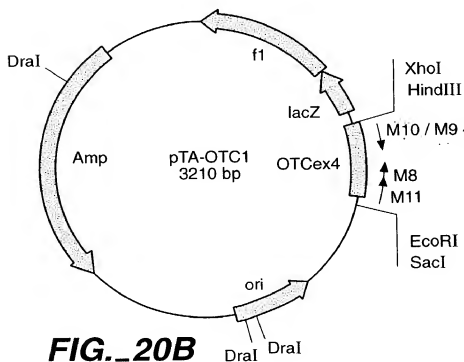
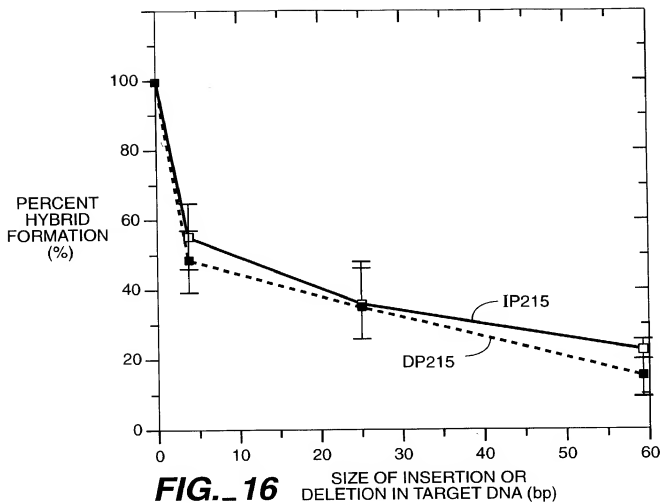
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**FIG._15C****FIG._19**

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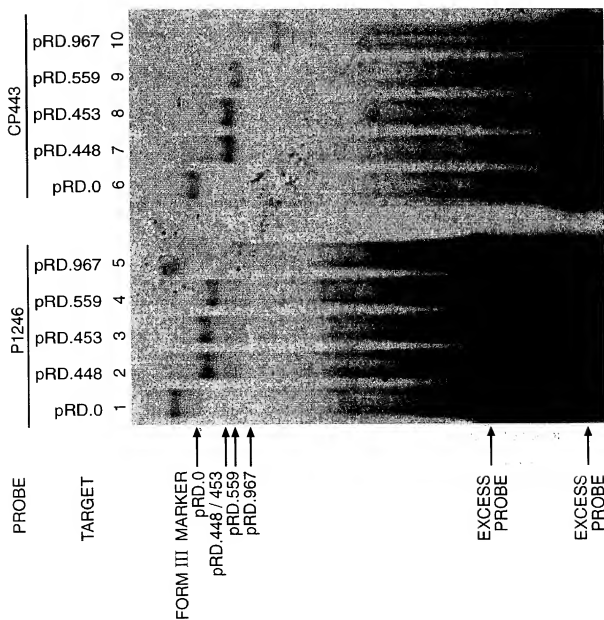
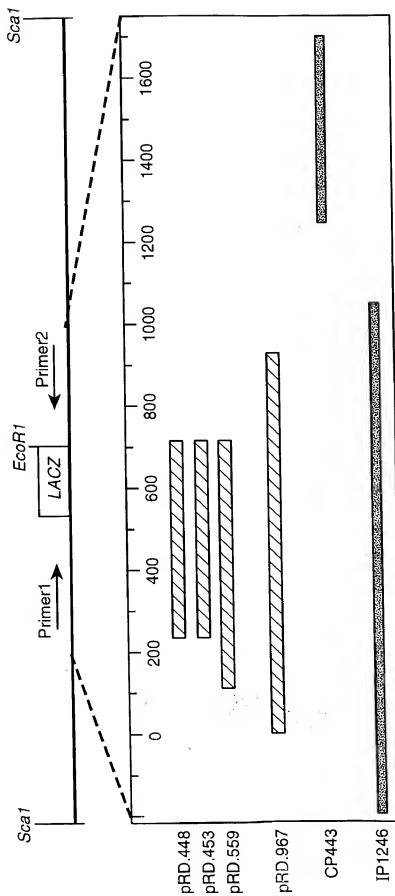
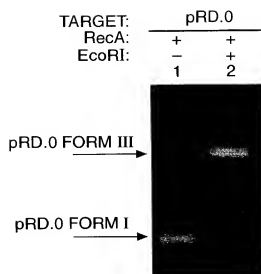
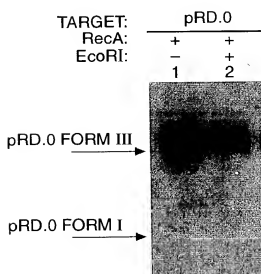
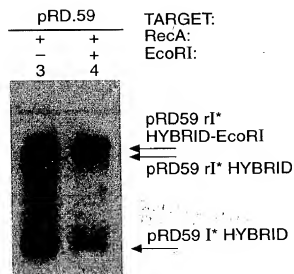
FIG. 17A

FIG._17B

TARGET DNA	AMT. HOMOL. (bp)	RELATIVE HYBRIDIZATION
pRD.0	1246	1.0
pRD.448	798	0.8
pRD.453	793	0.8
pRD.559	687	0.8
pRD.967	279	0.3

**FIG._17C**

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**FIG. 18A****FIG. 18B****FIG. 18C****FIG. 18D**

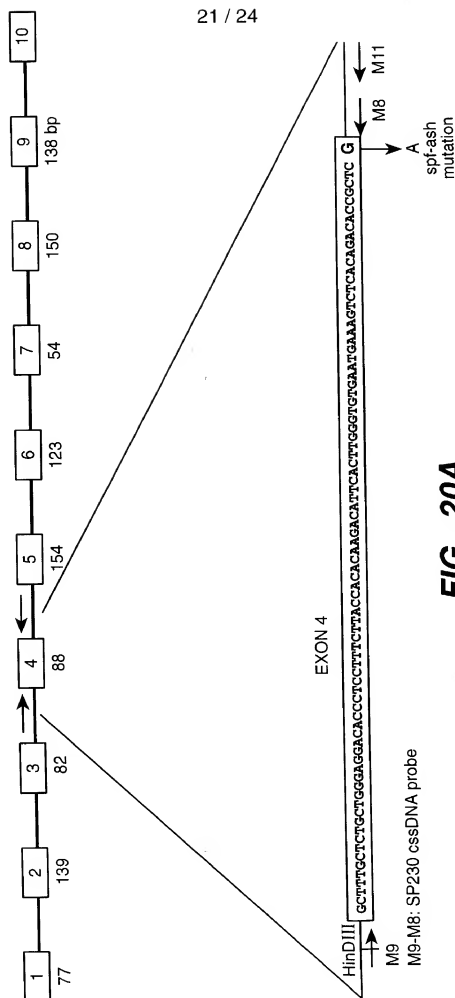
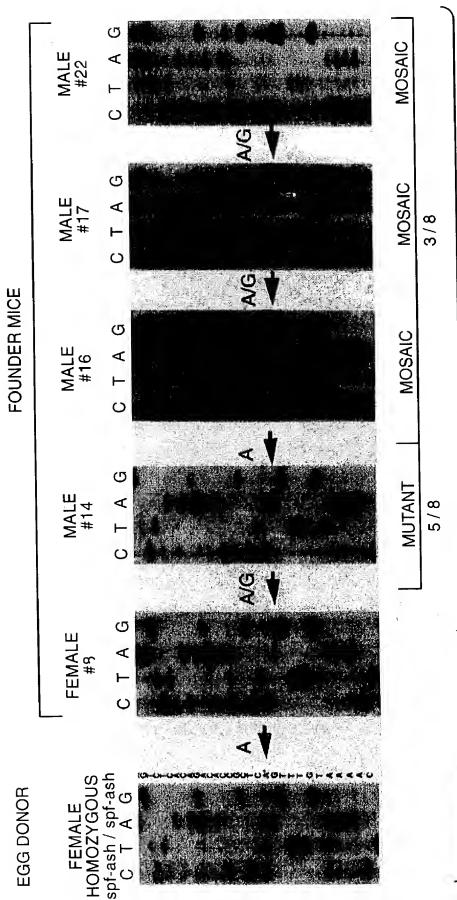
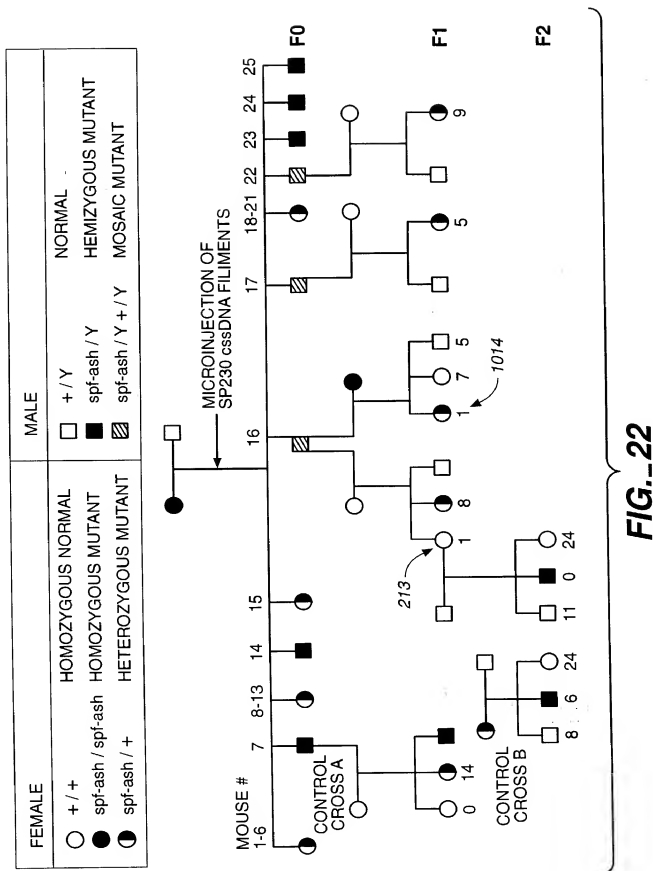


FIG. 20A

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